















CSI Facts

- Based in Logan, UT
- Approx. 300 employees
- Incorporated in 1974
 - Family business, privately held
 - Roots in Utah State University's Soils Laboratory
- Datalogger and sensor manufacturing done inhouse
- Emphasis on quality, rugged, remote operation.



CSI Around the World



Datalogger Capabilities

- Measurements
 - Analog
 - Voltage
 - Current
 - Resistive
 - Voltage/Current excitation
 - Digital/Serial
 - Pulse
 - Pulse counts
 - High frequency



- NTCIP
- ModBus
- Radio Networks
- TCP/IP
- DNP3
- Satellite
- FTP
- RS-485
- SDI-12
- Etc.



Extensive Sensor Support

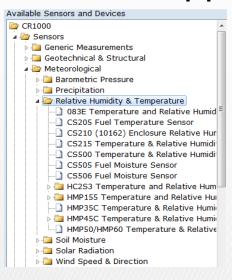
- Sensor Types
 - Resistive/Wheatstone Bridge
 - Analog inputs
 - Single ended and differential
 - Pulse counters
 - Switched voltage excitation
 - Switched current excitation
 - Vibrating Wire gauges
 - Smart Sensors
 - Continuous analog outputs
 - SDI-12 inputs
 - Serial I/O ports

- Manufacturers
 - RM Young
 - Met One
 - Texas Electronics
 - Vaisala
 - Apogee
 - Lufft
 - Etc.



Flexibility

- User-programmable dataloggers (RPUs)
 - Short Cut, CRBasic
 - Training classes available
 - Work with Application Engineers



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BeginProg

'Main Scan
Scan(5,Sec,1,0)

'Default Datalogger Battery Voltage measurer
Battery(BattV)

'Default Wiring Panel Temperature measurem
PanelTemp(PTemp_C,_60Hz)

'HMP50/HMP60 Temperature & Relative Hum
VoltSE(AirTC,1,mV2500,1,0,0,_60Hz,0.1,-40)
VoltSE(RH,1,mV2500,2,0,0,_60Hz,0.1,0)
If (RH>100) And (RH<108) Then RH=100

'CS106 Barometric Pressure Sensor measurem
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CalTrans

- CR1000s in place of former RPU
- Measure existing sensors
- NTCIP compatibility allowed the use of existing software
- > Programming, installation, maintenance done in-house

UDOT

- Complete Campbell systems
- Meteorologists incorporated into TOC access RWIS data directly
- Add sensors as funds become available



Colorado: RWIS Data from ALERT System

Douglas County, CO in conjunction with Denver's Urban Drainage Flood Control District







www.campbellsci.com

Thank You